Reports/Queues - Function 10

When you invoke this function, the Report(s) screen appears.

```
Time 14:05:21          *** NATURAL SPOOL Administration ***     Date 1997-07-21
User   SAG                    Report(s) by Job Number                   SPMREM11


Cmd Q Dest/Form   T   Stat> Phy.Prt   Stat O P Dup D Pri Jobnr  User ID  Cluster
--- - ---------- -   ---- - -------- ---- - - --- - --- ------ -------- -------
 SE _ _____ _            _____         *__ _ ___ _____ _____ _____
 __    DARMSTD  1   TOBE       --             N 0   K 1      1 MK
 __    DARMSTD  1   TOBE       --             N 0   K 1      4 MK
 __    DAEPRT12 A   LOAD       --               0   D 1      7 KOL
 __    DARMSTD  1   TOBE       --             N 0   K 1     85 MK
 __    DARMSTD  1   TOBE       --             N 0   K 1     88 KOL
 __    DARMSTD  1   LOAD       --             N 0   K 1     97 HHI
 __    DARMSTD  1   TOBE       --             N 0   K 1    286 MK




Please mark with function or press PF key
Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help   Menu  Exit        Prtr  Selec  -     +    Det 1       Top   Canc
```

Note:
The display sequence in which the reports are listed is indicated in the screen name. It can be modified with function code SQ.

In the Cmd column on the left, you can enter various function codes.

In the SE line, you can specify selection criteria. A list of reports matching the selection criteria will then be shown. For example, if you only want to display the reports of a specific user, enter the user ID in the User ID column of the SE line.

PF5 displays the Device Status screen.

PF6 displays the Report Selection screen (see the output example).

PF7 displays the previous screen page, PF8 displays the next screen page, and PF11 returns you to the top of the list.

Pressing PF9 four times displays four different screens with more detailed data for each report (see the output examples).

Below is information on:

- Legend
- Report Status
- Function Codes
- PF Keys

Legend

Column	Description
Q	Indicates the current status of a queue. A or blank: activated. D: deactivated. M: monitor queue for BS2000/OSD.
Dest/Form	Destination/form (allocation) of report.
T	An asterisk (*) indicates the definition of a time window for an allocation (only under BS2000/OSD).
Stat	Report status.
>	Indicates the number of pending or active devices. Blank: currently, only this device has control for the queue. >: there is more than one device that has control for the queue.
Phy.Prt	Physical printer to which the report was assigned.
Stat	Printer status.
O	Indicates a pending operator command. I: hold printer immediately. F: flush current spoolout. S: stop printer after spoolout. D: deactivate printer.
P	Indicates the protection level of a report. N or blank: not protected. P: report can only be deleted by the user who sent it. S: report can only be started by the user who sent it. R: report can only be read/shown by the user who sent it. G: combination of S and R.
Dup	Number of duplicates (modifiable field).
D	Disposition (scheduling) of report (modifiable field). See Function 31.2.
Pri	Priority of report (modifiable field).
Jobnr	Job number of report. The job numbers are not necessarily in ascending order. The job number assigned to a report corresponds to the first record number of that report (that is, to the address of the report on the spool file).
User ID	The user who created the report.
Cluster	The name of the cluster to which the logical printer used is assigned (only shown if the cluster option has been activated, see Function 30.5).

Report Status

The following table describes the various types of report status.

Report Status	Description
BATP	Current active spoolout (batch).
DEL	Report is being deleted.
DISA	The queue for this allocation is currently disabled.
FINI	Printed with disposition K. When a report with disposition K is printed, it is assigned the status FINI and the disposition L. If the user then alters the disposition to K or D (to re-print the report), the status is set back to TOBE.
HOLD	Report will not be printed.
INCO	Report was written to the spool file, but is inconsistent (an internal error occurred). In this case, execute Function 40.1 or 40.2 to narrow down the problem.

LOAD	Report is being created.
	Natural has not yet closed the report. The most probable cause for this is that the Natural program has not yet ended, or has been interrupted. For example:
	
	`...`
	`WRITE (1) 'XXXXXX'`
	`INPUT 'FIELD' #FIELD`
	`...`
	
	The wait on input in the example above causes the status LOAD.

LOCK	Report is currently used by move or copy.
LOST	Printing of the report was suspended because of spool out errors. The spool server has terminated because an ON ERROR condition has been entered in SVP*xxx*01 in library SYSPRINT. When this occurs, a single-line WTO message is written to the system operator console. The message displays the DBID and FNR of the current spool file and the error number taken from the Natural system variable *ERROR-NR. The format of the WTO message is as follows: `NAF SP-SERV: ERROR-NR nnnn in line mmmmm`
MINT	Incorrect or missing NTCC table.
NOCL	Report was written to the spool file but has not been closed (missing END OF TRANSACTION statement). Natural is not in ET status when closing reports. The most probable cause for this is an UPDATE statement which is not followed by a corresponding END OF TRANSACTION statement. The reports with status NOCL are not printed, and are instead backed out from the spool file if the Natural session is terminated, or if the CLEAR key is pressed. This backout can be prevented by executing an END OF TRANSACTION statement. Recover the report for printing by entering RC in the Cmd column. This will force the status TOBE to be assigned to the report. In addition, the RC command issues an END OF TRANSACTION statement.
ONPR	The report is being printed.
PEND	Started, but not yet spooled out.
RECO	Report was recovered from status INCO by the RC command.
TOBE	The report is stored on the spool file and ready to be printed.
TOLA	The report is reset from status NOCL after receiving an ET.

Function Codes

The following administration functions can be invoked for each report.

Function Code	Description
Start functions	
SD	Start of all reports to a destination/form.
SJ	Start of a specific report via the job number.
SU	Start of all reports to a destination/form for a specific user ID.
XD	As SD, but to an optional physical printer of the spool file.
XJ	As SJ, but to an optional physical printer of the spool file.
XU	As SU, but to an optional physical printer of the spool file.
Delete functions	
DA	Delete all reports on the spool file.
DD	Delete all reports to a destination/form (unless the report is protected).
DU	Delete all reports to a destination/form for a specific user ID (unless the report is protected).
DJ	Delete the current report only (unless the report is protected).
Alter functions	
AD	Alter attributes of all reports to a destination/form.
AU	Alter attributes of all reports to a destination/form for a specific user ID.
Display functions	
DF	Display formatted report using line feed and form feed.
DH	Display report in internal format.
SP	Show all pointers of a report.
Operator functions	
FL	Stop printing on the activated printer and continue with the next report.
FR	Set the printer to status FREE.
HI	Stop the activated printer immediately.
PO	Position the printer to the beginning of the page.
ST	Stop the activated printer after the end of the report.
Report functions	
CO	Copy report to another logical printer.
MJ	Move report to another logical printer.
MD	Move all reports of this destination/form to another logical printer.
MU	Move all reports of this destination/form created by a specific user ID to another logical printer.
Queue functions	

Function Code	Description
Q*	Show all queues, the corresponding status and the current number of reports within the queue (this command can be activated in any line).
QS	Change the status of a queue (active, deactivated or monitor queue).
DQ	Show all reports of a queue. The reports are displayed using the sequence of spoolout (status, priority, creation date and time).
Miscellaneous functions	
RC	Recover report.
SQ	Change the sequence of the Report/Queue display.
TI	Show a time window for start of printing if defined for the corresponding destination/form (this function is available for BS2000/OSD only).
UI	If Natural Security is installed, the long text for the sending user ID is displayed for this report.
WP	Display which printers are available.
ZO	Show detailed report attributes.

For detailed information on the above function codes, see the online help.

Example for Function Code XJ

If you enter XJ in the Cmd column as shown below, a window appears, asking for the name of the physical printer to which you want to route the report.

```
Time 14:10:09          *** NATURAL SPOOL Administration ***      Date 1997-07-21
User  SAG                    Report(s) by Job Number                  SPMREM11

Cmd Q Dest/Form   T  Stat> Phy.Prt   Stat O P Dup D Pri Jobnr  User ID  Cluster
--- - ---------- -  ---- - -------- ---- - - --- - --- ------ -------- -------
 SE _ _____ _            _____           *__ _ ___ _____ _____ _____
 xj   DARMSTD  1   TOBE        --              N 0   K 1       1 MK
 __   DARMSTD  1   TOBE        --              N 0   K 1       4 MK
 __   DAEPRT12 A   LOAD        --      +--------Start of reports(s)---------+
 __   DARMSTD  1   TOBE        --      ! To start Allocation DARMSTD/1   , !
 __   DARMSTD  1   TOBE        --      ! please enter a physical printer   !
 __   DARMSTD  1   LOAD        --      ! or '*' to invoke a selection.     !
 __   DARMSTD  1   TOBE        --      !                                   !
                                       ! To return, enter '.'              !
                                       !                                   !
                                       ! Physical printer _____         !
                                       +-----------------------------------+




Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit
```

Example for Function Code DF

If you enter DF in the Cmd column, the corresponding report data are shown.

```
Time 11:55:13          *** NATURAL SPOOL Administration ***       Date 1997-08-25
User   SAG                            Report                            SPMREM21

Cmd:  __   Page:     1 Dest.: STD      Form: R User:  HHI      Job Number
  1
 001        11        21        31        41        51        61        71
   I---------I---------I---------I---------I---------I---------I---------I-----
=>                          **** top of report ****
 F ? Page 1             CROSS-REFERENCE/ SPOOL FILE                1997-08-21
14:1
 L ?
 L ?                           SPOOLFILE
 < ?                           SPOOLFILE
 < ?                           SPOOLFILE
 L ?
 L ? DATABASE / FILENUMBER 7     / 33       VERSION .................. 230
 < ?                       7       33                                 230
 < ?                       7       33                                 230
 L ?
 L ?                           LAYOUT OF REPORT AREA
 < ?                           LAYOUT OF REPORT AREA
 < ?                           LAYOUT OF REPORT AREA
 L ?
Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
  +    Help  Menu  Exit        Hex   <<>     +    Bot    -    Top   Canc
```

Field	Description
Cmd	Command input.
001	Column in which the display of the report is supposed to start (when you enter a number greater than 250, column 1 is used).
Page	The number of the last report page on the screen.
Dest.	Destination of the report.
Form	Form of the report.
User	User who created the report.
Job Number	Job number of the report.

The printer control characters in column 1 of the report are:

- F for form feed,
- L for line feed,
- < for carriage return (intensified lines).

If you press PF5 on the above screen, the report is shown in internal (hexadecimal) format:

```
Time 11:56:26         *** NATURAL SPOOL Administration ***      Date 1997-08-25
User  SAG                          Report                          SPMREM21

Cmd: __ Page:      1 Dest.: STD      Form: R User:  HHI      Job Number
 1
 001         11        21        31        41        51        61        71
   I---------I---------I---------I---------I---------I---------I---------I-----
 F ? Page 1              CROSS-REFERENCE/ SPOOL FILE              1997-08-21
14:1
 0 04D8884F44444444444CDDEE6DCCCDCDCC64EDDDD4CCDC44444444444444FFFF6FF6FF44FF7F
 C C0717501000000000003962209565955351027663069350000000000000019970080210014A1
 L ?
 1 14444444444444444444444444444444444444444444444444444444444444444444444444444
 5 50000000000000000000000000000000000000000000000000000000000000000000000000000
 L ?                        SPOOLFILE
 1 14444444444444444444444444EDDDDCCDC4444444444444444444444444444444444444444444
 5 50000000000000000000000002766369350000000000000000000000000000000000000000000
 < ?                        SPOOLFILE
 0 04444444444444444444444444EDDDDCCDC4444444444444444444444444444444444444444444
 D D0000000000000000000000002766369350000000000000000000000000000000000000000000




Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
  +    Help Menu  Exit       Hex   <<>     +    Bot    -    Top   Canc
```

Example for Function Code DJ

If you enter DJ in the Cmd column as shown below, a window appears, asking to confirm the deletion.

```
Time 14:26:01          *** NATURAL SPOOL Administration ***      Date 1997-07-21
User  SAG                   Report(s) by Job Number                  SPMREM11

Cmd Q Dest/Form   T  Stat> Phy.Prt   Stat O P Dup D Pri Jobnr  User ID  Cluster
--- - ---------- -   ---- - -------- ---- - - --- - --- ------ -------- -------
 SE _ _____ _            _____        *__ _ ___ _____ _____ _____
 dj   DARMSTD  1  TOBE         --           N 0   K 1      1 MK
 __   DARMSTD  1  TOBE         --           N 0   K 1      4 MK
 __   DAEPRT12 A  LOAD         --             0   D 1      7 KOL
 __   DARMSTD  1  TOBE         --           N 0   K 1     85 MK
 __   DARMSTD  1  TOBE         --           N 0   K 1     88 KOL
 __   DARMSTD  1  LOAD         --           N 0   K 1     97 HHI
 __   DARMSTD  1  TOBE         --           N 0   K 1    286 MK

                                  +------------- Confirmation -------------+
                                  ! To delete report with number   1      !
                                  ! confirm with report number ... _____ !
                                  !                                        !
                                  ! and mark to destroy report data ... _ !
                                  !                                        !
                                  +----------------------------------------+
Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
          Menu  Exit                                              Canc
```

Note:
For function codes DA, DD and DU, you are also asked to confirm the deletion.

A "destroy data" option is available which not only marks the report as "deleted" on the spool file, but also sets the report data to blanks. This might be required for confidential reports.

PF Keys

Example for Output from PF6

```
Time   14:38:02        *** NATURAL SPOOL Administration ***       Date 1997-07-21
User   SAG                      Report Selection                           SPMREM01


  Report Selection

  for all User Ids    _                        for Job Number      _____
  for own User Id     _                        for User Id         _____
  for Group Id          _____
  --------------------------------------------------------------------------------


  Optional Selectionparameter

  Destination       _____ /Form _   Duplicates  *__    Disposition     _
  Priority          ___
  active Printer    _____            Queuestatus _
  Cluster(s)        _____

Enter values for selection
Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit        Prtr                                      Canc
```

On this screen, you can select reports.

If Natural Security is installed, the modifiable fields in this screen depend on the defined user type.

Note:
The Cluster(s) field only appears, if the cluster option has been activated (see Function 30.5).

Example for Output from PF9

Pressing PF9 once displays the first Detailed Attributes screen.

```
Time 14:42:06         *** NATURAL SPOOL Administration ***      Date 1997-07-21
User  SAG                      Detailed Attributes 1                  SPMRDE01

Cmd Q Dest/Form     No.Pages     No.Lines     %prt. Date printed       Printer
--- - ----------   ----------- ----------   ----- -------------------  --------
 SE    _____  _
 __    DARMSTD  1   1            3
 __    DARMSTD  1   1            19
 __    DAEPRT12 A
 __    DARMSTD  1   1            19
 __    DARMSTD  1   4            200
 __    DARMSTD  1
 __    DARMSTD  1   1            17




Please mark with function or press PF key
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit       Prtr  Selec  -     +    Det 2       Top   Canc
```

Column	Description
No.Pages	The number of logical pages in the report.
No.Lines	The number of lines in the report.
%prt.	For active spooling, the percentage of completion is shown.
Date printed	Date and time of the last spoolout.
Printer	The physical printer which was used for the last spoolout.

Pressing PF9 once more displays the second Detailed Attributes screen.

```
Time 14:43:26          *** NATURAL SPOOL Administration ***      Date 1997-07-21
User  SAG                    Detailed Attributes 2                       SPMRDE11

Cmd Q Dest/Form      Log.Prtr Profile          Name      Forms    Library  Program
--- - ----------     -------- --------------   ------    -------  -------- --------
 SE   _____  _
 __    DARMSTD  1     PROF1    MK       (NAF)    --        --      SYSPOOL    --
 __    DARMSTD  1     PROF1    MK       (NAF)    --        --      SYSPOOL  NTEST
 __    DAEPRT12 A     DAEPRT12 *        (NAF)    --        --      SYSPOOL  SPFPAG01
 __    DARMSTD  1     PROF1    MK       (NAF)    --        --      SYSPOOL  NTEST
 __    DARMSTD  1     PROF1    MK       (NAF)    --        --      SYSPOOL  SPPTREP1
 __    DARMSTD  1     PROF1    MK       (NAF)    --        --      SYSPOOL  SPFPAG01
 __    DARMSTD  1     PROF1    MK       (NAF)    --        --      SYSPOOL  SPSCHE03




Please mark with function or press PF key
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit        Prtr  Selec  -     +    Det 3 Det 1 Top   Canc
```

Column	Description
Log.Prtr	The logical printer used for the creation of the report.
Profile	NTCC table from the profile parameter of the DEFINE PRINTER statement. When followed by MAC, the replacements are defined within the NTCCTAB of the Natural system parameters. When followed by NAF, the replacements are defined in the object NTCC table of the NATSPOOL environment, depending on the printer.
Name	Value of the Name parameter used in the DEFINE PRINTER statement.
Forms	Value of the Forms parameter used in the DEFINE PRINTER statement.
Library	The library in which the report was created.
Program	The name of the program which created the report.

Pressing PF9 once more displays the third Detailed Attributes screen.

```
Time 14:45:25          *** NATURAL SPOOL Administration ***      Date 1997-07-21
User  SAG                   Detailed Attributes 3                     SPMRDE21

Cmd Q Dest/Form     Init Id  Inituser Device   LOST :   Program    Errnr  Line
--- - ----------    -------- -------- --------  ----------------   -----  ----
 SE   _____  _
 __    DARMSTD  1   0756     MK       VIDEO
 __    DARMSTD  1   0756     MK       VIDEO
 __    DAEPRT12 A   0804     KOL      VIDEO
 __    DARMSTD  1   0794     MK       VIDEO
 __    DARMSTD  1   0787     KOL      VIDEO
 __    DARMSTD  1   0751     HHI      VIDEO
 __    DARMSTD  1   0776     MK       VIDEO







Please mark with function or press PF key
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit         Prtr  Selec  -     +    Det 4 Det 2 Top   Canc
```

Column	Description
Init Id	Value of the system variable *INIT-ID when creating the report.
Inituser	Value of the system variable *INIT-USER when creating the report.
Device	Value of the system variable *DEVICE when creating the report.
LOST	For reports with status LOST, the program name, error number and line are shown.

Pressing PF9 once more displays the fourth Detailed Attributes screen.

```
Time 14:46:40        *** NATURAL SPOOL Administration ***      Date 1997-07-21
User  SAG                    Detailed Attributes 4                   SPMRDE31

Cmd Q Dest/Form    Creation Date/Time  Ret.Period   Calendar    Deletion Date
--- - ----------   ------------------  ----------   --------    -------------
 SE    _____  _
 __    DARMSTD  1  1997-07-18 07:51:56  1              --            --
 __    DARMSTD  1  1997-07-18 08:19:26  1              --            --
 __    DAEPRT12 A  1997-07-18 09:37:20  1              --            --
 __    DARMSTD  1  1997-07-18 10:15:13  1              --            --
 __    DARMSTD  1  1997-07-18 11:18:24  1              --            --
 __    DARMSTD  1  1997-07-18 12:48:38  1              --            --
 __    DARMSTD  1  1997-07-21 09:17:50  1              --            --







Please mark with function or press PF key
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Menu  Exit        Prtr  Selec  -     +    Det 1 Det 3 Top   Canc
```

Column	Description
Creation Date/Time	Date and time given from the CPU when the report was created.
Ret.Period	Retention period specified for the used logical printer. See Function 31.2.
Calendar	Name of the calendar assigned to the logical printer. See Function 31.2.
Deletion Date	Date when the report can automatically be deleted if this feature has been activated (see Function 30.5). The deletion date is computed using the retention period and the specifications in a calendar.